



# Urban Coast Institute: R/V Nauvoo



Acquired from NOAA and originally built as a Coast Guard buoy tender, the Research Vessel Nauvoo is fully-equipped to operate up to 20 nautical miles offshore. The 49-foot vessel is rigged to carry out a variety of scientific operations, such as:

- Deployment of hydrographic survey equipment
- Water quality sampling and monitoring
- Trawling, dredging, and deployment of fixed gear to support near coastal fisheries research and stock assessment
- Collection of plankton using surface and mid-water gear
- Scientific diving operations
- Collection of sediment cores using benthic grabs and gravity corers
- Deployment and recovery of oceanographic buoys and moorings

## Specifications

**Length:** 49 feet

**Deck Area:** 225 square feet

**Beam:** 16.8 feet

**Draft:** 5.6 Feet

**Displacement:** 35.57 long-tons

**Max Speed:** 11 knots

**Service Speed:** 10 knots

**Range** (at 10 knots): 300 nautical miles

**Endurance:** 4 days

**Capacity:** 1 captain and 22 passengers

**Propulsion:** Twin 8V-71 Detroit diesel engines @ 305 HP each

**Power:** 22 kW, 120/240 60 hertz, 120 amps

## Equipment

**Anchor Windlass:** Vetus Den Ouden Alexander II

**Main Winches:** Two Pullmaster KPL8 winches

Wire Capacity: (1/4" Wire Rope) 684 feet

**A-Frame:** 18 feet 1 1/16" high by 144" wide.

Safe working load of 1,800 lbs.

**Net Reel:** Aluminum net reel with direct drive motor

Dimensions: 72" wide by 36" diameter flange

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June 2018

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